



SWEN90016

Software Processes & Project Management

Project Initiation
Medic Case Study
Assignment 1

2019 – Semester 1
Tutorial 1



Welcome

MELBOURNE

Tutor:
Email:

@unimelb.edu.au

Tutorial format:

Active participation.
Group discussion
Think critically about content.



The tutors do not know how to help unless you communicate with us, so ... ask questions.



Initialization Phase

The first Project Management **process**: initialization
from Lecture 1, slide 40

analyze Case Study
(business needs)

analyze constraints
(scope, time, cost)

develop Business Case
(cost verses benefit)

not part of
this course

develop Project Charter
(stakeholder analysis)



Today's aim

Understand the initialisation phase by doing an activity for each phase

1. Business needs analysis
2. Analyse constraints
3. Stakeholder analysis



Initialization Phase

The first Project Management **process**: initialization
from Lecture 1, slide 40

analyze Case Study
(business needs)

analyze constraints
(scope, time, cost)

not part of
this course

develop Business Case
(cost verses benefit)

develop Project Charter
(stakeholder analysis)



MELBOURNE

Activity: You want to cycle from Melbourne to Sydney.

Groups of 4

- What are the challenges for such a project?
- What risks would this project need to consider?

analyze Case Study
(business needs)





Project Characteristics

MELBOURNE

Project: You want to cycle from Melbourne to Sydney.

Goal:

Challenge: It is hard to travel this long distance with a bicycle



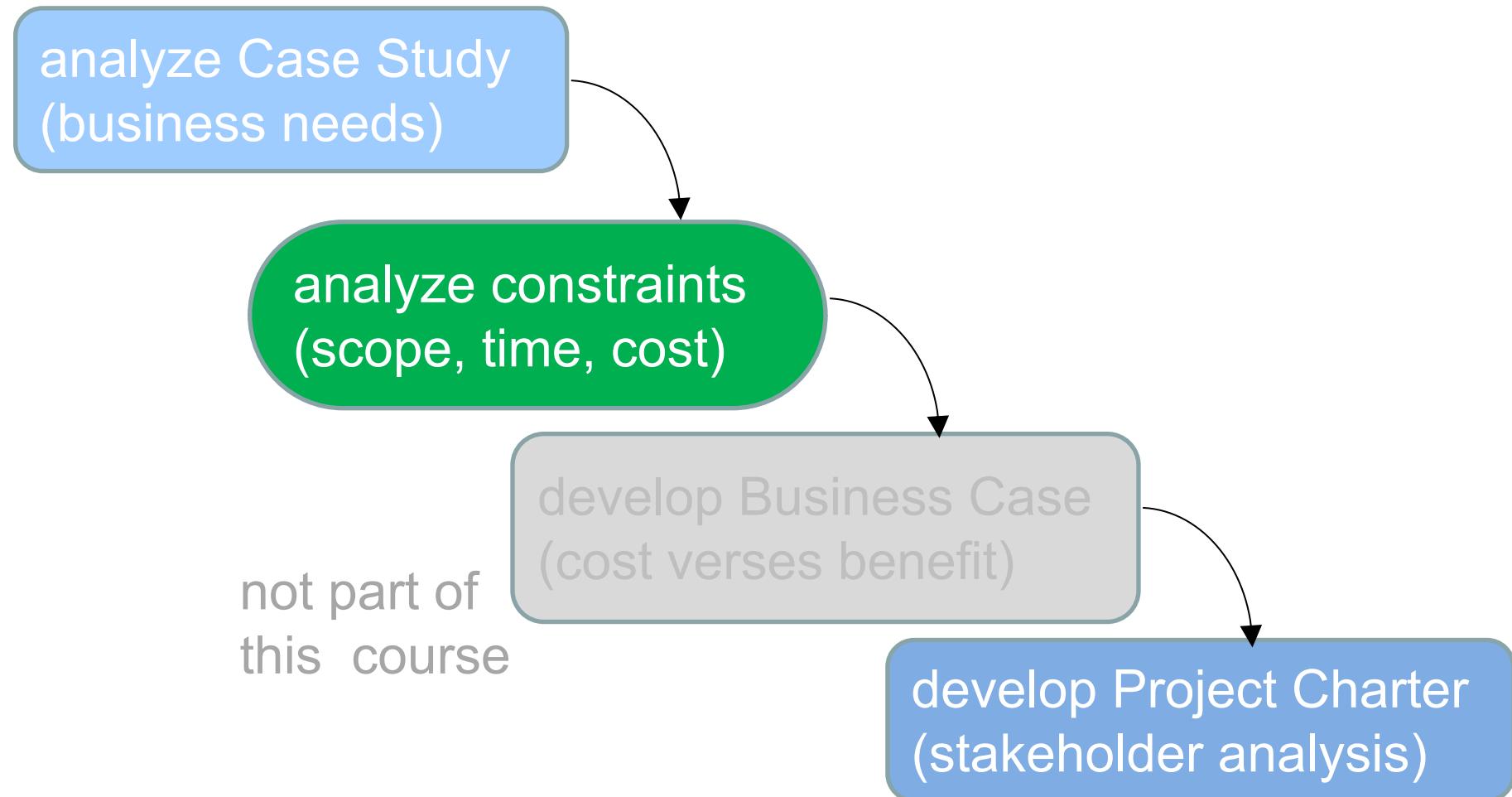
Risk: The weather may be very bad (cold or rain)





Initialization Phase

The first Project Management **process**: initialization
from Lecture 1, slide 40

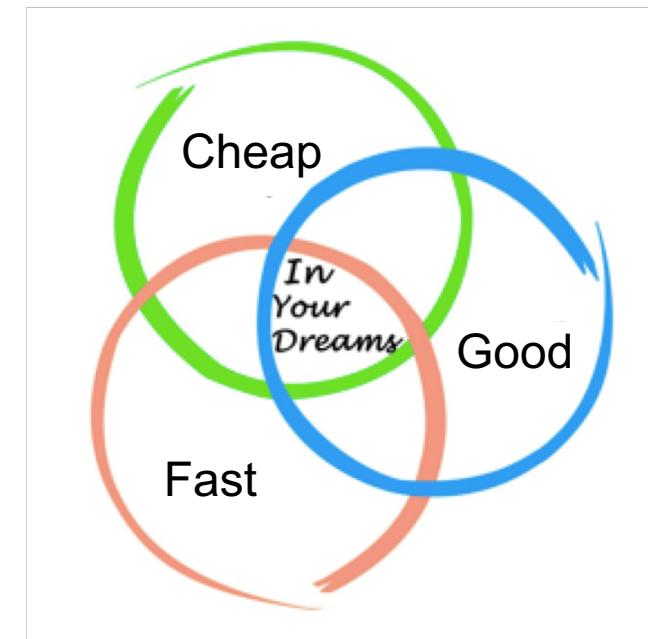
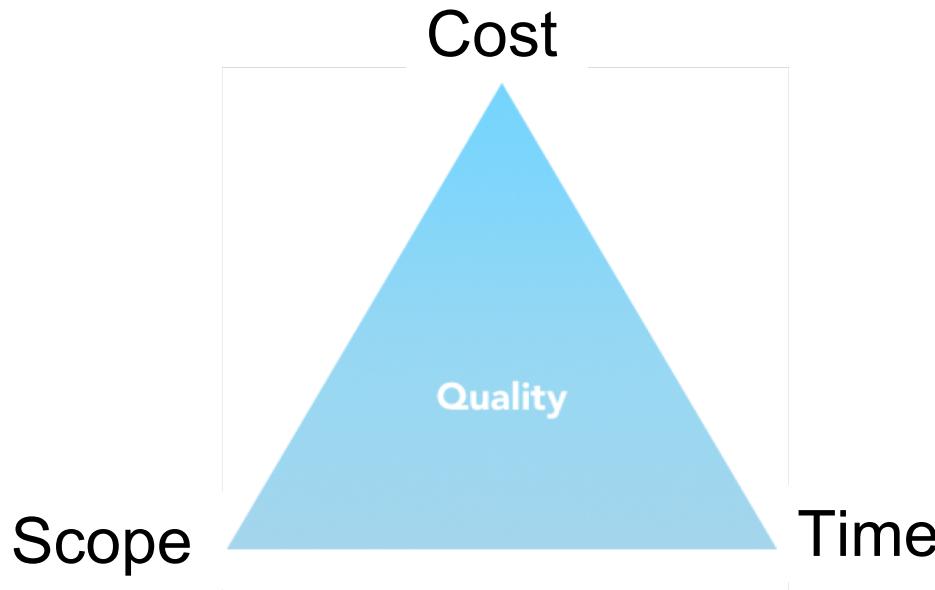




Project Constraints

Know your project's
triple constraint

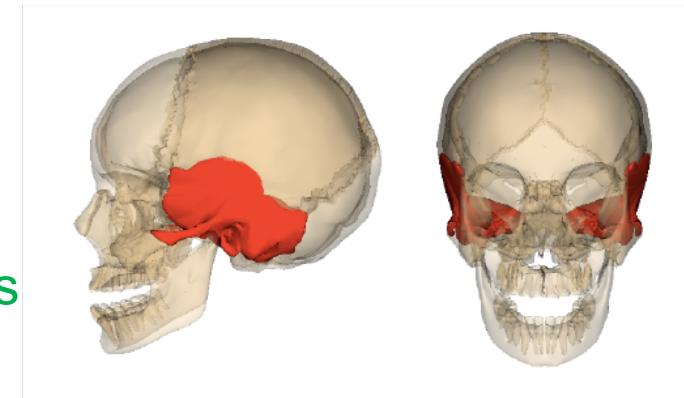
analyze constraints
(scope, time, cost)





Case Study 1 -Virtual Temporal Bone Surgery

- Who has read the Case Study?
- Do you know what Person Days are?
- Divide the Case Study into components



What kind of system is this?

- What are the project's characteristics?



Discuss and plan and question

Get into groups of 4-5 people.

Fill in the exercise sheet.

Person Days clues:

Project duration is 2 university semesters = 30 weeks

4th year SWEN students take 4 subjects a semester = $\frac{1}{4}$ time allocation

IT support developers at \$50,000 pa = fractional time allocation

Cost clues:

experienced developers at \$100,000 pa

experienced surgeons at \$200,000 pa

junior developers (4th year SWEN students) at zero cost

junior surgeon users at zero cost

IT support developers at \$50,000 pa



MELBOURNE

Project Information and Estimation

Item	Value	Reason
Team Size		
Person Days		
Cost		
Project Goal		
Key Characteristics		
Possible Risks		



Know your project's *risks*

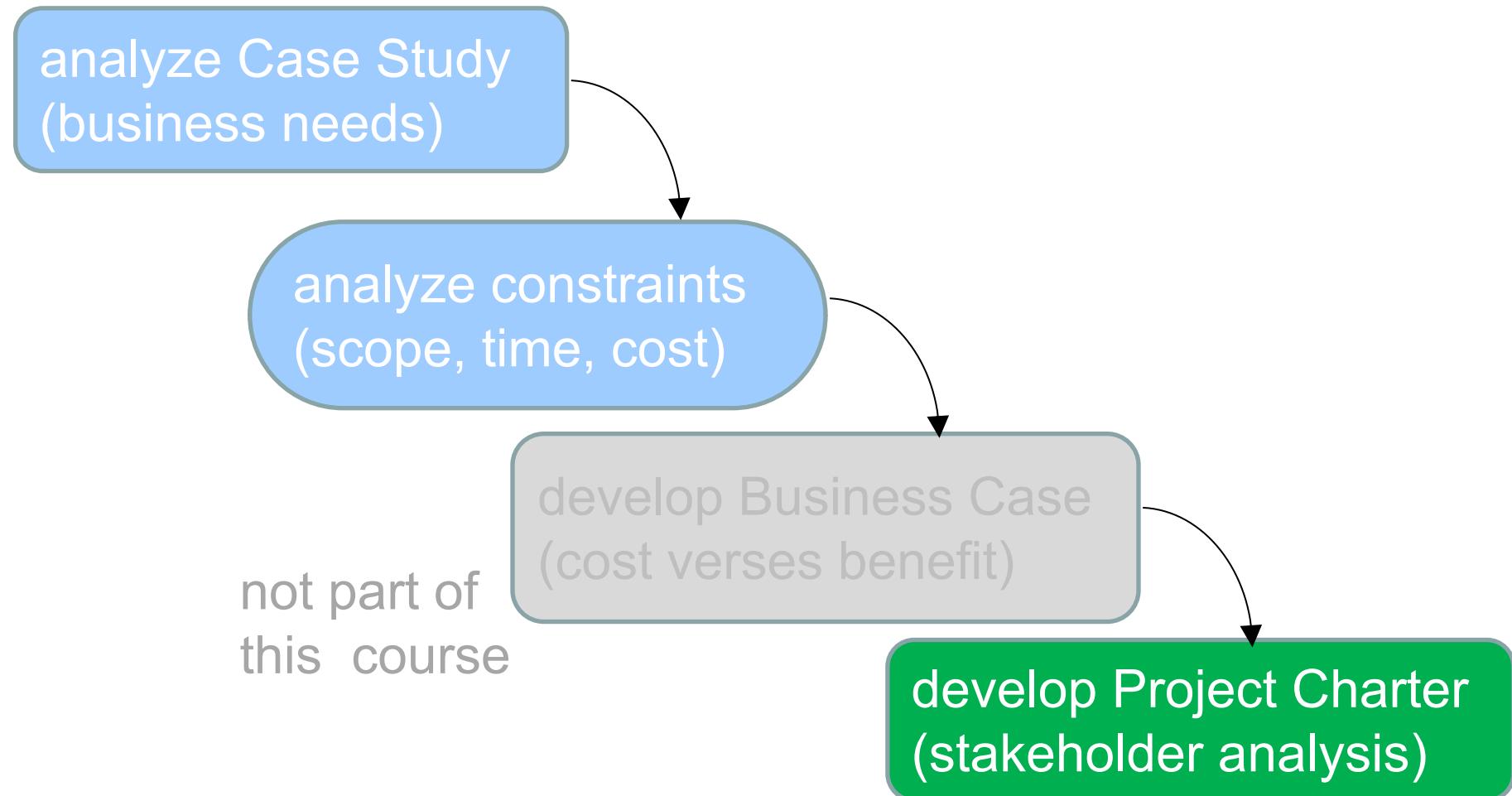
- If this project was to fail, what do you think would be the reason?
- What harm minimization strategies would you plan to use?





Initialization Phase

The first Project Management **process**: initialization
from Lecture 1, slide 40





Project Stakeholders

Know your stakeholders

Who is invested?

- Prioritize and understand your stakeholders
- Someone's position on the grid shows you the actions you have to take with them
- How do they feel about the project

develop Project Charter
(stakeholder analysis)

Who is the project champion?





What should you tell them?



Determine how you communicate:

You are the Project manager and the project is experiencing delays as one of the components is not working. Discuss how you will inform each of the stakeholders.



Assignment 1

Due: Friday, 5th April 2019

Marks: 20%

What: Figure out an appropriate SDLC for a given Case Study

How to do well:

1. Critical analysis of Case Study characteristics and risks
2. Critical analysis of more than one SDLC's processes
3. Balance the pros and cons and justify your choice of SDLC

Any Questions?

Please read Language Research Case Study for next tutorial

Thank You!